

程序代写代做 CS编程辅导

IS Professional IS onsulting

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Seminar 10 Assignment Project Exam Help

Problem Solving

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- Define and understand structured problem solving
- Define and understand unstructured problem solving
- Engage in activities and examples to gain understanding Assignment Project Exam Help

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Problem solving



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- Consultants solve problems
- IT, IS and inform urity consultants solve problems specific to their

Should we go to the cloud?

How can we How does this software best security support the environment? How does this business?

What is our IT roadmap?

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How effective is our data loss prevention?

Email: tutorcs@163.com IT SAP – can you — who should we go mail: hap49389476 with?

We have major IT uplift going on: please manage it!

Do any of the set see names frave easy answers? How do you even begin solving these?

Problem solving



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Think of problem solving in two ways:



Structured proble

Unstructured problem solving

- Problems that are known standardised and orcs Problems that are open-ended, 'fuzzy', can be solved in an operational fashion may be unique to a situation
- Can be encoded into praced genment Project Exam Help documentation
- Email: tutorcs@163.comcine? For example:
 - How do you make macaroni and QQ: 749389476 cheese?
 - How do you resolve customer enquiries in a call centre? https://tutorcs.com How do you solve these?

What should we do with our IT systems in the next three years?

How is macaroni better than

Should we acquire a new business?

Defining Problem Solving 程序代写代做 CS编程辅导



Problem solving

It is an analytic it is a used to identify the possible solutions to the situation

Making decisions is a part of problem solving.

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Problem solving is a complex process, and judgement calls (or decisions) will have to be made repete tway Help

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Introduction to problems and decisions



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Types of problems we encounter;

- Structured
- Unstructured
- Semi structu

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How does this incorporate decision making?

Programmed de signment Project Exam Help

E.g. Standard Operating Procedure (SOP) to eliminate individual jud**Emmil:** tutorcs@163.com

Non Programmed decision.

E.g. Strategy to determine whether to acquire another company





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Clear definition of the

- Goal
- Beginning states
- Actions
- End state WeChat: cstutorcs
- Constraints

Follow similar processes runers Project Exam Help

- Procedural; limited number of rules and principles Email: tutorcs@163.com
- Method for solving the problem is repeatable
- Outcomes ar QQpioal9389476r standardised
- Constraints are limited or are accounted for. https://tutorcs.com

Problem solving: unstructured



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ʻIII-structured' prob<u>lems</u>

Unknown definitio problem elements

Multiple potential diti

Different paths to take to get to the solution

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Uncertainty over concepts, rules
to apply

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Not enough information on hand

Learners need to hand iludgetoeots@163.com on the problem – and defend this

view! QQ: 749389476

Figure 1 Information Systems: A Framework Operational Management Strategic Control Planning Control Structured Accounts Budget Analysis -Tanker Fleet Receivable Engineered Costs Order Entry Short-Term Warehouse and Factory Forecasting Location Inventory Control Mergers and Scheduling Acquisitions Analysis -Overall Budget Budget New Product Management Preparation Planning Unstructured PERT/COST Sales and R&D Planning Systems Production

Source: Gorry & Scott Morton, 1971



Types of Problems – A comparison程序代写代做 CS编程辅导

Type of prob		Structured	Unstructured
Managerial leve	Tutor CS	wer level	Upper level
Frequency		Repetitive	New, unusual, non repetitive
Information	wech	Readily available,	Ambiguous
F	Assign	well formed, ppendtuProject Exam	or Incomplete
Time frame for solution	Email:	Short, almost immediate tutores@163.com	Relatively long
Solution relies o	Q Q: 7	Procedures, rules, and policies e.g.	Judgment and creativity,
ł	nttps://	Standard Toperating OM Procedure	novel solutions

Problem solving – An Approach



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oblem-Solving Cycle

Understand

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The Three Stages Explained



Understand

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1. Understanding tle

The most important pa

any problem is understanding it.

Problem Implement Solved! Strategize

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Ask yourself or guide others to ask themselves the following questions:

- What am I looking for? What is the unknown? Project Exam Help
- Do I understand every word and concept in the problem?
- Am I familiar with the Unitality of Shand and some of the familiar with the Unitality of Shand and Shand a
- Is there information that seems missing?
- Is there information that spends a lip of fluous?
- Is the source of information bona fide? (Think about those instances when a friend gives you a puzzle to solve and you suspect there's something wrong with the way the puzzle is posed.)

The Three Stages Explained



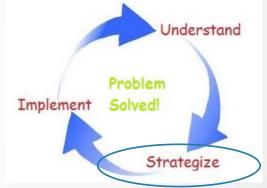
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Strategizing:

Now that we think we choose a strategy or



the problem, we egies to try to solve



Ten general strategiesa

- Logical reasoning
- Pattern recognition that: cstutorcs
- Working backwards
- Adopting a different point entire Project Exam Help Considering extreme cases
- Solving a simpler analogous problem 63.com
 Organizing data 11: tutores @ 163.com
- Making a visual representation
- Accounting for possible 9476
- Intelligent guessing and testing

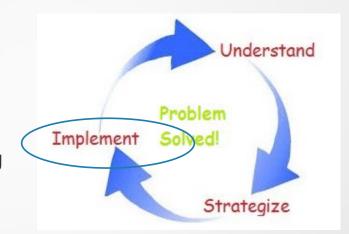
The Three Stages Explained



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Implementing:

Note: it is possible to have an incorrect understanding of the problem, but that in the problem is realizing that we have to understand the problem before attempting to solve it!



before attempting to solve it! ignment Project Exam Help

The Problem Solving Toyail: tutorcs@163.com

As we implement we might refine our understanding of the problem. As we refine our understanding of the problem; welcome strategy.

As we refine our strategy and implement a new approach, we get closer to solving the problem, etc. https://tutorcs.com

Problem Solving Presentation Principles



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In business we constantly look at ways to solve prospects, clients and customers al presentations consider: problems. When deliv

The Problem

- the customer has. clearly describe th
- Ensure that they a **Line of the state of t**
- May be necessary
- them the implications of not solving the problem and highlight the pain caused.

The cause

- Show the main causes of the problem
- Make links between causes and the problem very clear
- use a maximum of Assignment Project Exam Help

The solution

- Show your product/service addresses the causes and fixes the problem
 Show independent reports that prove this.
- Demonstrate if possible.

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Example

A car sales person asks why the customers are looking for a new car. The customer tells how the current car is expensive to tup Sive sales per contact has been care are not designed for easy service and others have inefficient engines. She then shows them a report that highlights running costs of different cars and then demonstrates models from the top two cars in the list.

Problem solving: unstructured



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- Unstructured problem solving requires structure
- You need to break your am down
- The below model is a simple of logically stepping through this process.

Problem Definition

Criteria Selction

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Decision

Action

- What is the nature of the problem, root cause or goal?
- Consider your scope and size of application
- Alternative mechanisms and paths if ideal tools are not available

- How will you distinguish between alternatives?
- Qualitative vs. quantitative?
- Weighting?
- Risks and downsides?

Assymptement Propert Exam Appelp alternative criteria and methods for distinguish solving the between the solving the between the alternatives

If necessary, think of think o

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 Develop the plan to implement the decision

Source:Rosenberg,2011

Problem solving



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- ▶ Problems by their **□□**ain a:
 - Domain: conte : nes the problem's elements
 - Concepts, rules,
 - E.g. information 🔲 🛂
 - Type: A combination of related concepts and rules that will help solve the probleWeChat: cstutorcs
 - ▶ E.g. information security risk management
 - Process: Methods is an interpture of the Examen Help
 - Depends on your understanding of the problem type, goal
 - Gap between initial and goal state is the problem space
 - This can become more proceduralised as you gain experience
 - Solution: Achieving the goals 476
 - Convergent vs. divergent (one solution vs. one of many) https://tutorcs.com

Source: Jonassen, 1997

Solve a problem

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- His only restriction
- no NGO may own the plots)

- THREE pieces of the land (the colours are
- Four proposals (colour-coded according to NGO) have been put forward
 which, IF any, are about table orcs @ 163.com

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Answer d

Solve a problem



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Answer d



Tame vs. Wicked Problems 程序代写代做 CS编程辅导





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Summary



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It is critical to us the red approach to solve problems. If the wrong problem sen, the correct root causes are not identified, The sen, the correct root causes are situation, and the problem will recur.

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The foundation of Problem Solving is to spend time to properly identify and define the problem.

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Never Assume Solve it Right First Time